



SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS0"

TECHNICAL SPECIFICATIONS -

DESCRIPTION

 Cartridge valves, two way, normally closed poppet style solenoid operated DC or AC. Leak proof design.

When de-energized the valve acts as a check valve allowing oil flow only from port '1' to port '2'. In this application it is recommended to choose symbols "03" or "04" to prevent contamination to be trapped inside the filter when oil is flowing from port '1' to port '2'.

When energized the oil flow is possible from port '2' to port '1' and is restricted from '1' to '2'.

To operate the manual override turn the round knob counterclockwise; to reseat the valve for normal operation turn the knob clockwise.

MATERIALS

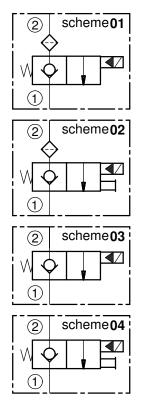
All components are made in high quality steel.
 The piston and the pilot poppet are hardened and ground.

MAIN OPERATING FEATURES

- External valve surfaces are zinc coated
- Max working pressure 280 bar
- Max flow 40 l/min
- Filtration: 280 micron or better
- Weight 0.115 Kg
- Coils must be ordered separately

Q= 40 l/min P= 280 bar Cavity ø12.7

ISO SYMBOLS

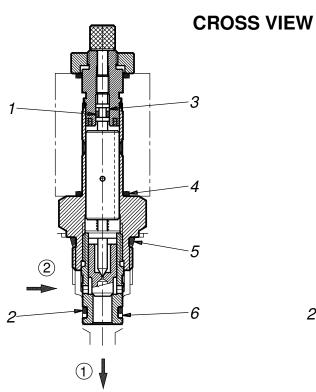


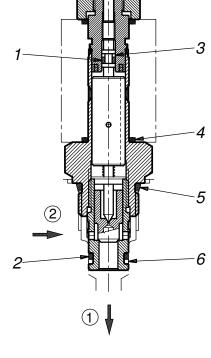
manual Cavity ø12.7 override **CAVITY DETAILS** ø13 86 (without manual override) (with manual override) ø26 $\emptyset 20.6_{0}^{+0.1}$ **1** 0.1 A /4"16 UNF Α 0.05 A -.6₀ Hex.24 5±0.1 max 3 (2) 27 29 (2) 2 (1)Installation torque Nm 40-45 ø12.7 H8 0.05 A

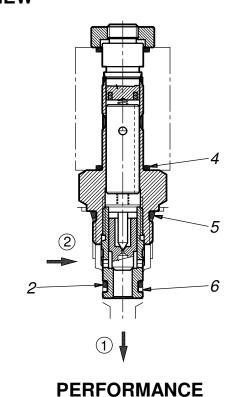




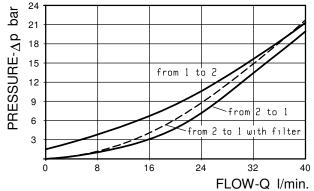
SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS0"







| Ref | Seals |
|-----|---------------------------|
| 1 | O-Ring ø1.85x1.5 70sh. |
| 2 | O-Ring ø9.25x1.78 70 sh |
| 3 | Backup ring ø2.3x4.25x1 |
| 4 | O-Ring ø13x2 70 sh |
| 5 | O-Ring ø16.36x2.20 70 sh |
| 6 | Backup ring ø9.9x12.7x1.4 |



Performance curve from 1 to 2 with coil de-energized Mineral oil 46 cSt at 40° C

ORDERING CODE -

EVS0.T19.*,*.000 Basic code

| scheme | description |
|--------|---------------------------------|
| 01 | STANDARD VERSION WITH FILTER |
| 02 | WITH EMERGENCY WITH FILTER |
| 03 | STANDARD VERSION WITHOUT FILTER |
| 04 | WITH EMERGENCY WITHOUT FILTER |





SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS0"

TECHNICAL SPECIFICATIONS

DESCRIPTION

 Cartridge valves, two way, normally closed poppet style solenoid operated DC or AC. Leak proof design.

When de-energized the valve acts as a check valve allowing oil flow only from port '2' to port '1'.

Energizing the coil the poppet lifts allowing flow in both directions. To operate the manual override turn the round knob counterclockwise; to reseat the valve for normal operation turn the knob clockwise.

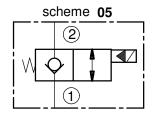
MATERIALS

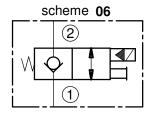
All components are made in high quality steel.
 The piston and the pilot poppet are hardened and ground.

MAIN OPERATING FEATURES

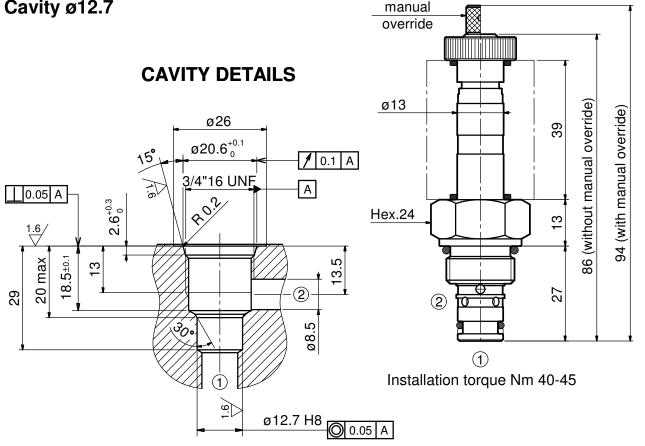
- External valve surfaces are zinc coated
- Max working pressure 280 bar
- Max flow 40 l/min
- Weight 0.115 Kg
- Coils must be ordered separately

ISO SYMBOLS





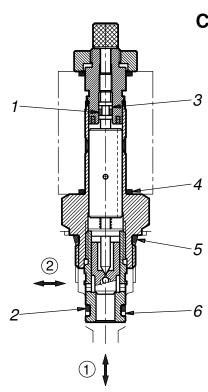
Q= 40 I/min P= 280 bar Cavity Ø12.7

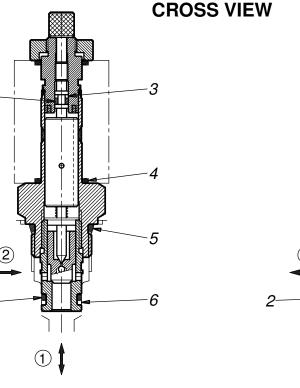


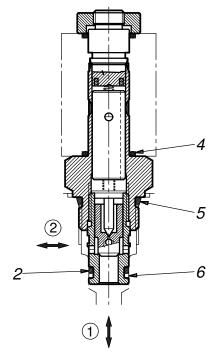




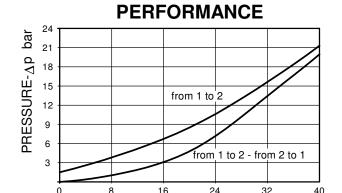
SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS0"







| 6 | Backup ring ø9.9x12.7x1.4 |
|-----|---------------------------|
| 5 | O-Ring ø16.36x2.20 70 sh |
| 4 | O-Ring ø13x2 70 sh |
| 3 | Backup ring ø2.3x4.25x1 |
| 2 | O-Ring ø9.25x1.78 70 sh |
| 1 | O-Ring ø1.85x1.5 70sh. |
| Ref | Seals |



Performance curve from 1 to 2 with coil de-energized Mineral oil 46 cSt at 40° C

FLOW-Q I/min.

ORDERING CODE -

EVS0.T19.*,*.000 Basic code

| sch | eme | description |
|-----|-----|------------------------|
| 0 | 5 | STANDARD VERSION |
| 0 | 6 | VERSION WITH EMERGENCY |
| | | |
| | | |





SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS1"

TECHNICAL SPECIFICATIONS -

DESCRIPTION

 Cartridge valves, two way, normally closed poppet style solenoid operated DC or AC. Leak proof design.

When de-energized the valve acts as a check valve allowing oil flow only from port '1' to port '2'. In this application it is recommended to choose symbols "03" or "04" to prevent contamination to be trapped inside the filter when oil is flowing from port '1' to port '2'.

When energized the oil flow is possible from port '2' to port '1' and is restricted from '1' to '2'.

To operate the manual override turn the round knob counterclockwise; to reseat the valve for normal operation turn the knob clockwise.

MATERIALS

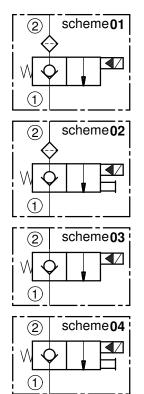
All components are made in high quality steel.
 The piston and the pilot poppet are hardened and ground.

MAIN OPERATING FEATURES

- External valve surfaces are zinc coated
- Max working pressure 280 bar
- Max flow 40 l/min
- Filtration: 280 micron or better
- Weight 0.115 Kg
- Coils must be ordered separately

Q= 40 I/min P= 280 bar Cavity Ø15.87

ISO SYMBOLS

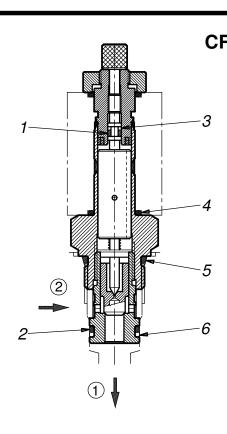


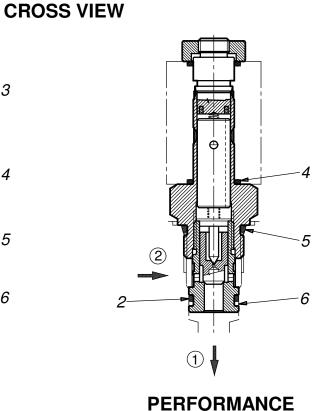
manual override **CAVITY DETAILS** ø13 86 (without manual override) (with manual override) ø26 $\emptyset 20.6_{0}^{+0.1}$ **1** 0.1 A /4"16 UNF Α 0.05 A -.6₀ Hex.24 max 3 2 (2) 27 30 တ် (2) 2 (1)Installation torque Nm 40-45 ø15.87 H8 0.05 A





SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS1"





| Ref | Seals |
|-----|---------------------------|
| 1 | O-Ring ø1.85x1.5 70sh. |
| 2 | O-Ring ø12.42x1.78 70 sh |
| 3 | Backup ring ø2.3x4.25x1 |
| 4 | O-Ring ø13x2 70 sh |
| 5 | O-Ring ø16.36x2.20 70 sh |
| 6 | Backup ring ø13x15.86x1.4 |

FEIT ON MARCE Tag 24 Q 21 Q 18 15 12 From 1 to 2 From 2 to 1 From 2 to 1 with filter 0 8 16 24 32 40

Performance curve from 1 to 2 with coil de-energized Mineral oil 46 cSt at 40° C

FLOW-Q I/min.

ORDERING CODE -

Basic code **EVS1.T19.*** *.000

| scheme | description |
|--------|---------------------------------|
| 01 | STANDARD VERSION WITH FILTER |
| 02 | WITH EMERGENCY WITH FILTER |
| 03 | STANDARD VERSION WITHOUT FILTER |
| 04 | WITH EMERGENCY WITHOUT FILTER |





SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS1"

TECHNICAL SPECIFICATIONS

DESCRIPTION

 Cartridge valves, two way, normally closed poppet style solenoid operated DC or AC. Leak proof design.

When de-energized the valve acts as a check valve allowing oil flow only from port '2' to port '1'.

Energizing the coil the poppet lifts allowing flow in both directions. To operate the manual override turn the round knob counterclockwise; to reseat the valve for normal operation turn the knob clockwise.

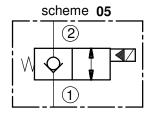
MATERIALS

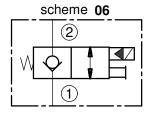
All components are made in high quality steel.
 The piston and the pilot poppet are hardened and ground.

MAIN OPERATING FEATURES

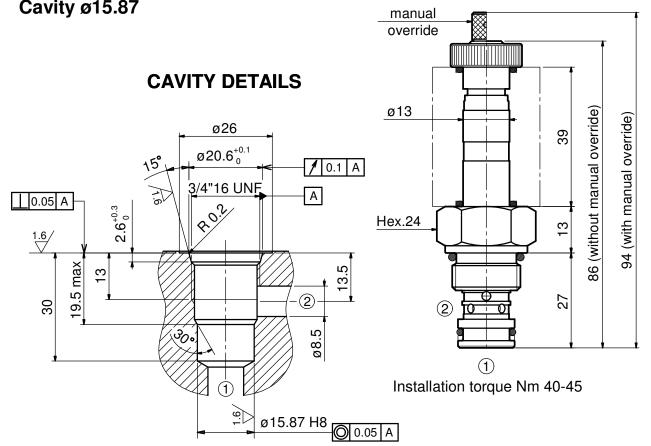
- External valve surfaces are zinc coated
- Max working pressure 280 bar
- Max flow 40 l/min
- Weight 0.115 Kg
- Coils must be ordered separately

ISO SYMBOLS





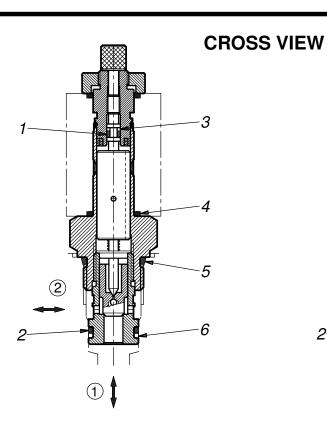
Q= 40 l/min P= 280 bar Cavity ø15.87

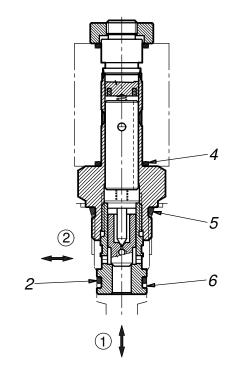






SOLENOID OPERATED CARTRIDGE VALVES POPPET 2-WAY NORMALLY CLOSED "EVS1"





| | 9 |
|---|---------------------------|
| 1 | O-Ring ø1.85x1.5 70sh. |
| 2 | O-Ring ø12.42x1.78 70 sh |
| 3 | Backup ring ø2.3x4.25x1 |
| 4 | O-Ring ø13x2 70 sh |
| 5 | O-Ring ø16.36x2.20 70 sh |
| 6 | Backup ring ø13x15.86x1.4 |

Performance curve from 1 to 2 with coil de-energized
Mineral oil 46 cSt at 40° C

ORDERING CODE -

Basic code **EVS1.T19.*** *.000

| sch | eme | description |
|-----|-----|------------------------|
| 0 | 5 | STANDARD VERSION |
| 0 | 6 | VERSION WITH EMERGENCY |
| | | |
| | | |